

ABSTRACT

A method for transmitting power wirelessly between a power transmitter comprising a light source, means for directing the light emitted by the light source in a desired direction, and means for controlling the intensity of the light emitted by the light source, and at least one power receiver comprising a photo-detector for receiving emitted light and for converting it into electric current. The light source of the power transmitter transmits a parallel light, the intensity of which is substantially less than the allowed maximum eye exposure. The photo-detector of the power receiver detects the light emitted by the light source and determines the integrity of the light beam, and the power receiver transmits a control signal to the power transmitter. The intensity of the light transmitted by the light source of the power transmitter is increased in response to receiving from the power receiver a control signal.

(Figure 1)